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BRITISH ASSOCIATION, 1861.

THIRTY-FIRST *Meeting of the BRITISH ASSOCIATION for the Advancement of Science, held at MANCHESTER, 4th—11th September, 1861.*

Section (F).—Economic Science and Statistics.

President.—WILLIAM NEWMARCH, F.R.S.

Vice-Presidents.—William Farr, M.D., F.R.S., D.C.L.; James Heywood, F.R.S.; Lord Monteagle; Alderman Neild; Right Hon. Joseph Napier; Edwin Chadwick, C.B.; Daniel Noble, M.D.; Rev. Canon Richson, M.A.; Colonel Sykes, M.P., F.R.S.; W. N. Massey, M.P.; William Tite, M.P., F.R.S.

Secretaries.—Rev. J. E. T. Rogers, M.A., Tooke Professor; Edmund Macrory, M.A.; R. C. Christie, M.A.; David Chadwick, F.S.S., Assoc. Inst. C.E.

Committee.—Edmund Ashworth; Henry Ashworth; James Aspland, M.D.; Thomas Bazley, M.P.; C. H. Bracebridge; Samuel Brown; William Camps, M.D.; John Cheetham; Richard Fort; J. Franklyn; Henry Fawcett; Robertson Gladstone; S. Gregson, M.P.; The Lord Provost of Glasgow; James T. Hammack; Frederick W. Haddon; Right Hon. T. E. Headlam, M.P.; Edward Herford; Edwin Hill; William Langton; Rev. A. Hume, D.C.L.; The Mayor of Manchester; James M'Connel; James M'Celland; Horace Mann; Rev. W. N. Molesworth, M.A.; Alfred Neild; Captain Palin; Edmund Potter; Arthur Moore, F.S.S.; Frederick Purdy; H. D. Pochin, F.C.S.; Malcolm Ross; John Shuttleworth; R. J. Spiers; Right Hon. Lord Stanley, M.P.; John Strang, LL.D.; N. M. Tartt; John Watts, Ph.D.; William Westgarth; Robert Wilkinson, L.C.P.; Thomas Wilson, M.A.; Cor. Van der Maeren.

The following Papers occupied the attention of the Section:—

Thursday, 5th September, 1861.

T. Bazley, M.P.—A Glance at the Cotton Trade.

Alderman Neild.—On the Price of Printing Cloth and Upland Cotton from 1812 to 1860.

John Strang, LL.D.—On the Altered Condition of the Embroidery Manufacture of Scotland and Ireland since 1857.

Henry Ashworth.—On the Connection of Improvements in Cotton Bleaching, with Improvements in the Condition of the Factory Population.

Professor Rogers, M.A.—Prices in England, 1582-1620, and the effect of the American Discoveries upon them during that Period.

Friday, 6th September, 1861.

The President delivered the Opening Address (adjourned from yesterday).

David Chadwick.—On the Progress of Improvements in Manchester and Salford during the last Twenty Years.

J. Watts, Ph.D.—On Strikes.

Edmund Potter, F.R.S.—On Co-operation and its Tendencies.

Daniel Stone, F.C.S.—On the Rochdale Co-operative Societies.

Rev. W. R. Thorburn, M.A.—Co-operative Stores: their Bearing on Athenæums, &c.

Rev. W. N. Molesworth.—On the Progress of Co-operation at Rochdale.

Saturday, 7th September, 1861.

John Shuttleworth.—Some Account of the Manchester Gasworks.

Miss Twining.—On the Employment of Women in Workhouses.

Colonel Sykes, M.P., F.R.S.—Notes on the Progress and Prospects of the Trade of England with China since 1833.

Frederick Purdy.—On the Relative Pauperism in England, Scotland, and Ireland, 1851-1860.

William Westgarth.—The Commerce and Manufactures of the Colony of Victoria.

William Farr, M.D., D.C.L., F.R.S.—On the Recent Improvements in the Health of the British Army.

J. T. Danson.—On the Growth of the Human Body in Height and Weight in Males from 17 to 30 years of age.

Monday, 9th September, 1861.

William Newmarch, F.R.S.—On the Extent to which Sound Principles of Taxation are at present embodied in the Legislation of the United Kingdom.

Professor J. E. T. Rogers, M.A.—On the Definition and Incidence of Taxation.

C. E. Macqueen.—The True Principles of Taxation.

W. Clarke, M.D.—On a Revision of National Taxation.

Rev. Canon Richson, M.A.—The Income Tax.

Richard Valpy.—The Commercial Relations between England and France.

H. J. Ker Porter.—To present Engravings of Farm Labourers' Cottages, with a Specification, and a few Remarks in continuation of a Paper read at Oxford in 1860.

Mrs. Fison.—On Sanitary Improvements.

Rev. W. Caine.—Ten Years' Statistics of the Mortality amongst the Orphan Children taken under the care of the Dublin Protestant Orphan Societies.

Charles Thompson.—On some Exceptional Articles of Commerce and Undesirable Sources of Revenue.

Tuesday, 10th September, 1861.

James Heywood, F.R.S.—On the Inspection of Endowed Educational Institutions.

Captain Donnelly, R.E.—On the Government System of Examinations in Science.

J. T. Hammack, F.S.S.—On the General Results of the Census of the United Kingdom in 1861.

John Strang, LL.D.—Comparative Progress of the English and Scottish Population, as shown by the Census of 1861.

T. A. Welton.—An Examination of the Increase and Decrease of Population in England and Wales, 1851-61.

R. H. Bakewell, M.D., M.R.C.S.—On the Influence of Density of Population on the Fecundity of Marriages in England.

Rev. A. Hume, D.C.L.—On the Condition of National Schools in Liverpool, as compared with the Population, 1861.

Henry Fawcett, M.A.—On the Economical Effects of the recent Gold Discoveries.

Professor J. E. T. Rogers, M.A.—Can Patents be Defended on Economical Grounds?

Henry Ashworth.—On Capital Punishments and Crime.

